

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1318614

Luminaire Tested: LDSQA3D20R209830D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R209830D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

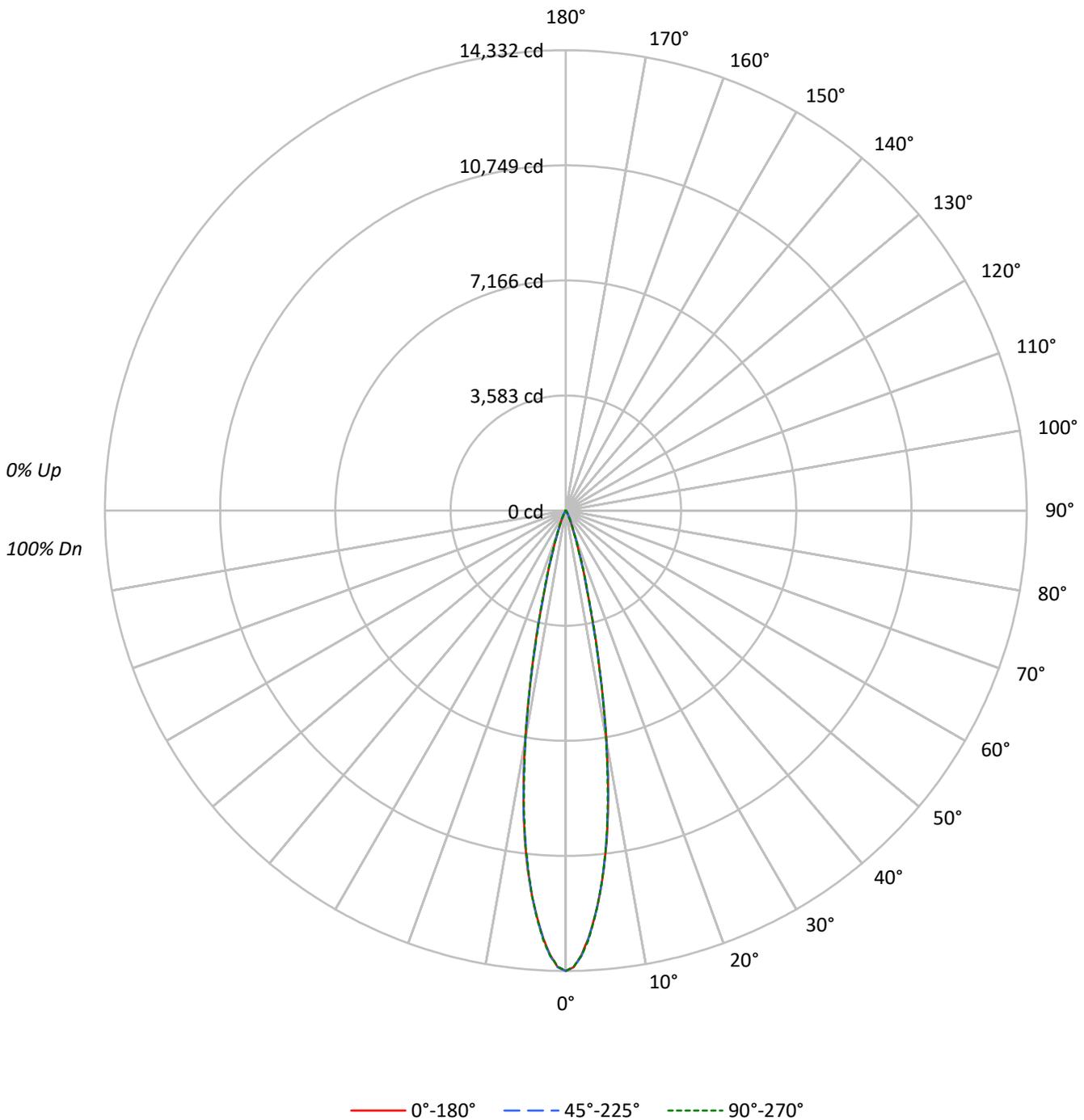
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2468260	2468260	2468260
5°	2080358	2081153	2080098
10°	1267736	1261843	1264781
15°	446547	448455	462345
20°	140316	144238	141140
25°	52561	57502	54006
30°	20364	28875	21279
35°	7716	12846	8347
40°	4114	5486	4114
45°	1486	2606	1851
50°	831	1232	831
55°	931	931	931
60°	517	517	517
65°	611	611	611
70°	755	755	755
75°	0	0	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.9	50.4
10°-20°	780.1	39.5
20°-30°	153.2	7.8
30°-40°	34.4	1.7
40°-50°	7.8	0.4
50°-60°	2.5	0.1
60°-70°	1.5	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1928.2	97.6
0°-40°	1962.5	99.4
0°-60°	1972.9	99.9
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14332	14332	14332	14332	14332	
5°	12034	12044	12038	12079	12032	997
15°	2504	2515	2515	2570	2593	778
25°	277	295	303	298	284	146
35°	37	44	61	44	40	27
45°	6	9	11	9	8	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	1
75°	0	0	0	0	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14331.8	14331.8	14331.8	14331.8	14331.8
1°	14215.6	14185.1	14220.2	14192.7	14198.8
2°	13847.4	13830.5	13876.4	13847.4	13862.6
3°	13335.5	13314.1	13347.7	13349.2	13392.0
4°	12724.2	12683.0	12733.4	12734.9	12742.6
5°	12033.5	12044.2	12038.1	12079.4	12032.0
6°	11257.3	11292.4	11246.6	11269.5	11203.8
7°	10389.3	10345.0	10322.1	10329.7	10375.6
8°	9431.2	9400.7	9434.3	9386.9	9354.8
9°	8366.2	8312.7	8349.4	8303.5	8257.7
10°	7249.2	7224.7	7215.5	7163.6	7232.3
11°	6129.1	6055.7	6092.4	6066.4	6141.3
12°	5080.8	5086.9	5015.1	5038.0	5047.2
13°	4135.0	4037.2	4049.4	4112.0	4122.7
14°	3207.4	3221.2	3225.8	3270.1	3296.0
15°	2504.5	2515.2	2515.2	2570.2	2593.1
17.5°	1343.2	1343.2	1372.2	1378.3	1381.4
20°	765.6	770.1	787.0	785.4	770.1
22.5°	458.4	467.6	476.8	467.6	458.4
25°	276.6	294.9	302.6	298.0	284.2
27.5°	165.0	184.9	206.3	189.5	163.5
30°	102.4	113.1	145.2	116.1	107.0
32.5°	56.5	73.3	99.3	76.4	58.1
35°	36.7	44.3	61.1	44.3	39.7
37.5°	26.0	30.6	38.2	32.1	27.5
40°	18.3	21.4	24.4	22.9	18.3
42.5°	12.2	15.3	16.8	15.3	12.2
45°	6.1	9.2	10.7	9.2	7.6
47.5°	3.1	4.6	7.6	4.6	3.1
50°	3.1	3.1	4.6	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	1.5	3.1	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	0.0	0.0	0.0	0.0	1.5
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)